

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A dual advancer/retractor, comprising:  
a handle body having a thumb ring at a proximal end and a channel;  
a pair of finger rings each of which is slidably secured in the channel of the handle body, each finger ring is adapted to receive a medical device to be advanced or retracted, wherein the medical devices have an end which is secured within the handle body and a length that passes around the finger ring such that movement of the finger ring causes an amplified movement in the medical device.
2. The dual advancer/retractor of Claim 1, further comprising:  
at least one rod associated with each finger ring that holds the finger ring in the channel.
3. The dual advancer/retractor of Claim 2, wherein at least one rod is hollow and the medical devices are passed through the rod.
4. The dual advancer/retractor of Claim 1, wherein the medical devices include a needle and an electro-cauterizer.
5. The dual advancer/retractor of Claim 1, further comprising a lock that selectively engages one of the pair of finger rings such that the engaged finger ring does not move in the channel.
6. The dual advancer/retractor of Claim 1, further comprising at least one port on the handle body that allows a device to be coupled to a medical device in the channel.
7. The dual advancer/retractor of Claim 6, wherein the at least one port connects to the at least one rod in the channel.
8. A dual advancer/retractor, comprising:  
a handle body;

a pair of independently moveable finger rings, each of which advances or retracts a medical device having one end secured to the handle body and a length that forms a loop that extends proximally within the finger ring and returns distally into a catheter, wherein movement of the finger ring causes an amplified movement of the associated medical device.

9. The dual advancer/retractor of Claim 8, wherein the handle includes a fixed thumb ring.

10. The dual advancer/retractor of Claim 8, further comprising a pair of hollow rods associated with each finger ring, the hollow rods being slideable in grooves in the finger rings to hold the finger ring in the channel.

11. The dual advancer/retractor of Claim 10, wherein the medical devices moved by each finger ring pass through the hollow rods.

12. The dual advancer/retractor of Claim 11, wherein one end of the medical device moved by each finger ring is securable within a rod.

13. The dual advancer/retractor of Claim 11, wherein at least one rod in each channel is coupled to a port on the handle body.

14. A device for advancing or retracting a pair of medical devices into or out of a catheter, comprising:

a handle body that can be coupled to a catheter;

a first finger ring that moves a first medical device into and out of the catheter;

a second finger ring that moves a second medical device into and out of the catheter;

at least one hollow rod associated with each finger ring, the hollow rod being secured to the distal end of the handle body, wherein the medical devices extend through the hollow rod and have one end secured therein, each medical device forming a loop that extends proximally and returns distally within the finger ring such that movement of the finger ring in the handle body creates an amplified movement of the medical device into and out of the catheter.